

B1 amended
24. The polarizer of claim 22 wherein a phase of a transmitted light is shifted 180° between portions where said resist members are present and portions in said spaces where no resist members are present.

25. The polarizer of claim 22 wherein widths of resist members are approximately 160um in width and are applied from one side of said polarizer with a pitch of approximately 160um.

26 27. The polarizer of claim 22 wherein said resist members are square bodies in a staggered arrangement.

REMARKS

This is a response to Office Action dated July 17, 2002 in which a shortened period of three months was set. The Applicant has amended the above referenced Application with new claims 10-27. Applicants believe the original filing fee sufficiently cover the new claims. If any additional claim fees are required, please charge Deposit Account 501648.

PRIORITY

The Applicants' representative is in the process of obtaining a certified copy of the Japanese application.

REQUIREMENT FOR NEW DECLARATION

The Applicants have noted the Examiner's requirement for a new oath or declaration. The Applicant's representative has sent the appropriate documents to the various inventors for their signature. Upon receipt, the Applicants' representative will file said documents with the Examiner.

REQUIREMENT FOR DRAWING CORRECTION

The Examiner has objected to the drawings under 37 CFR 1.83(a). The Applicants have attached added Figures 4 is submitted for the Examiner's approval. If approved, Applicants will amend the specification with a brief reference and discussion of the figure. The Applicants submit that no new matter has been or will be submitted.

REJECTIONS UNDER 35 USC 112, first and second paragraph

The Examiner has rejected Claims 1-9 under 35 USC 112, both first and second paragraphs. The Applicants have submitted amend claims 1-9 to overcome these rejections. The Examiner expressed particular concern about the expression "phase-difference." The Applicants wish point out that US Patent 5,327,285 ('285) by Faris, one of the inventors herein, was "incorporated herein by reference." If one skilled in the art reads both the instant specification

and the '285 patent which is considered part of the instant application by its incorporation by reference, one skilled in the art would understand that "phase-difference film" is the same as "linearly polarized film." Therefore the Applicants have used "linearly polarized film" throughout the claims. This appears to be a result of a translation error from the Japanese to English. If *Never mentioned* required by the Examiner, the Applicants are prepared to incorporate information from the '285 patent into the instant specification as well as change "phase-difference" to "linear polarized" *Smith* throughout the specification.

NO The Applicants also believe when one reads both the instant specification and the '285 patent it will become clear to one skilled in the stereoscopic display art the relationship between left eye and right eye display parts.

Therefore, the Applicants believe that with the amendment of the claims and the above clarifications, the Examiner should remove the rejection of Claims 1-9 under 35 USC 112, first paragraph. The Applicants have also provided a set of claim s as now in the application with this response.

With regard to the rejections of claim 1-9 under 35 USC 112, second paragraph, the Applicants believe the amendments to the claims and the clarifications listed above resolve all of the Examiner's concerns.

REJECTIONS UNDER 35 USC 103

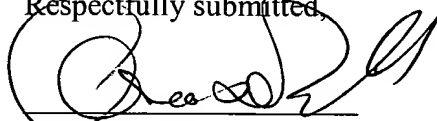
The Examiner has rejected Claims 1-9 under 35 USC 103(a) as being unpatenable over the p atent i ssued t o F aris US P atent 6,359,664) in v iew o f t he p atent i ssued t o Okamoto (US Patent 6,147,738). The Applicants have cancelled Claims 1-7 and added new claims 8 - 27.

DOUBLE PATENTING

The Applicants are prepared to file a Terminal Disclaimer with reference to co-pending application 09/873,509 prior to filing of any Issue Fee of Allowance of the claims.

The applicants respectfully request reconsideration of the application and an early allowance.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Gerow D. Brill", written over a horizontal line.

Gerow D. Brill

Registration No. 34,554

Reveo Inc.

Date: January 17, 2002
Address: 85 Executive Blvd.
Elmsford NY 10523
Telephone: (914) 944-3163
Facsimile (914) 944-3163
E-mail gerowpat@aol.com



WE CLAIM

10. A method for manufacturing a 3D polarizer for use with a 3D image display comprising:

laminating a polarizing film onto a transparent support with an adhesive agent interposed;

attaching transparent resist members in specified positions onto said polarizing film;

immersing a resulting assembly in hot water and drying said assembly;

attaching a protective member to said resist members.

11. The method of claim 10 wherein said polarizing film is a linear polarizing film.

12. The method of claim 10 further comprising;

superimposing or bonding said protective member side of said protected assembly to a display member.

13. The method of claim 10 wherein said laminated polarizing film is formed by laminating a TAC film or CAB film that does not possess birefringence and a drawn PVA film that has a polarizing function onto a transparent support with an adhesive agent interposed so that the TAC film or CAB film is located on the side of said adhesive agent;

14. The method of claim 10 wherein spaces between specified positions of said resist members are left unfilled.

15. The method of claim 10 wherein said polarizing film does not possess birefringence.

16. The method of claim 10 wherein members that do not possess birefringence are used as said protective member.

17. The claim of claim 11 wherein right-eye image display parts are disposed in said specified positions on said drawn PVA film and left-eye image display parts are disposed in spaces between said specified positions.

18. The method of claim 13 wherein said TAC film is approximately 126 μm . thick.

19. The method of claim 10 wherein said PVA is unilaterally drawn and approximately 38 μ m.

20. The method of claim 13 wherein said laminated polarizing film is a $\frac{1}{2}$ wave plate.

21. The method of claim 1 wherein said immersion in hot water comprises immersion for approximately 30 seconds at a temperature of 80° C.

22. A 3D polarizer for use with a 3D display comprising:
a support;
an adhesive agent;
a laminated polarizing film;
resist members having right eye image display parts;
space areas having left-eye image display parts; and
a protective member, wherein said 3D polarizer is manufactured according to the method of claims 10-21.

23. The polarizer of claim 22 wherein said laminated polarizing film comprises a lamination of TAC and PVA film.

24. The polarizer of claim 22 wherein a phase of a transmitted light is shifted 180° between portions where said resist members are present and portions in said spaces where no resist members are present.

25. The polarizer of claim 22 wherein widths of resist members are approximately 160 μ m in width and are applied from one side of said polarizer with a pitch of approximately 160 μ m.

27. The polarizer of claim 22 wherein said resist members are square bodies in a staggered arrangement.

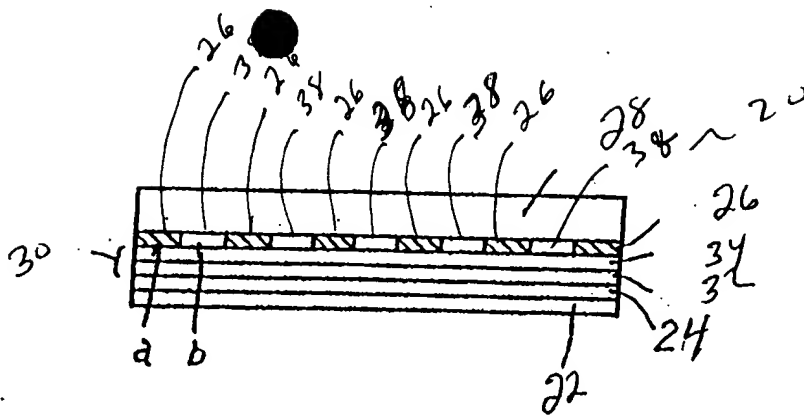


FIGURE 4

FORMING A POLARIZING FILM 30 BY LAMINATING
A TAC FILM OR CAB FILM 32 AND A DRAWN PVA FILM 34

LAMINATING THE POLARIZING FILM 30 ONTO
A TRANSPARENT SUPPORT 22
WITH AN ADHESIVE AGENT INTERPOSED 24

ATTACHING TRANSPARENT RESIST MEMBERS 26 IN SPECIFIED
POSITIONS (a) AS SHOWN ONTO THE POLARIZING FILM

LEAVING SPACES 38 (b) BETWEEN THE RESIST MEMBERS 26 (a)

IMMERSING THE ASSEMBLED ITEMS 22, 24, 30 AND 32
IN HOT WATER AND DRYING

BONDING THE RESIST MEMBER SIDE OF
ASSEMBLED ITEMS TO A DISPLAY MEMBER 28

FIGURE 4